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# CURRENT GEOGRAPHICAL PUBLICATIONS



Additions to the Research Catalogue of THE AMERICAN GEOGRAPHICAL SOCIETY

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OHRITO TIPDIDY

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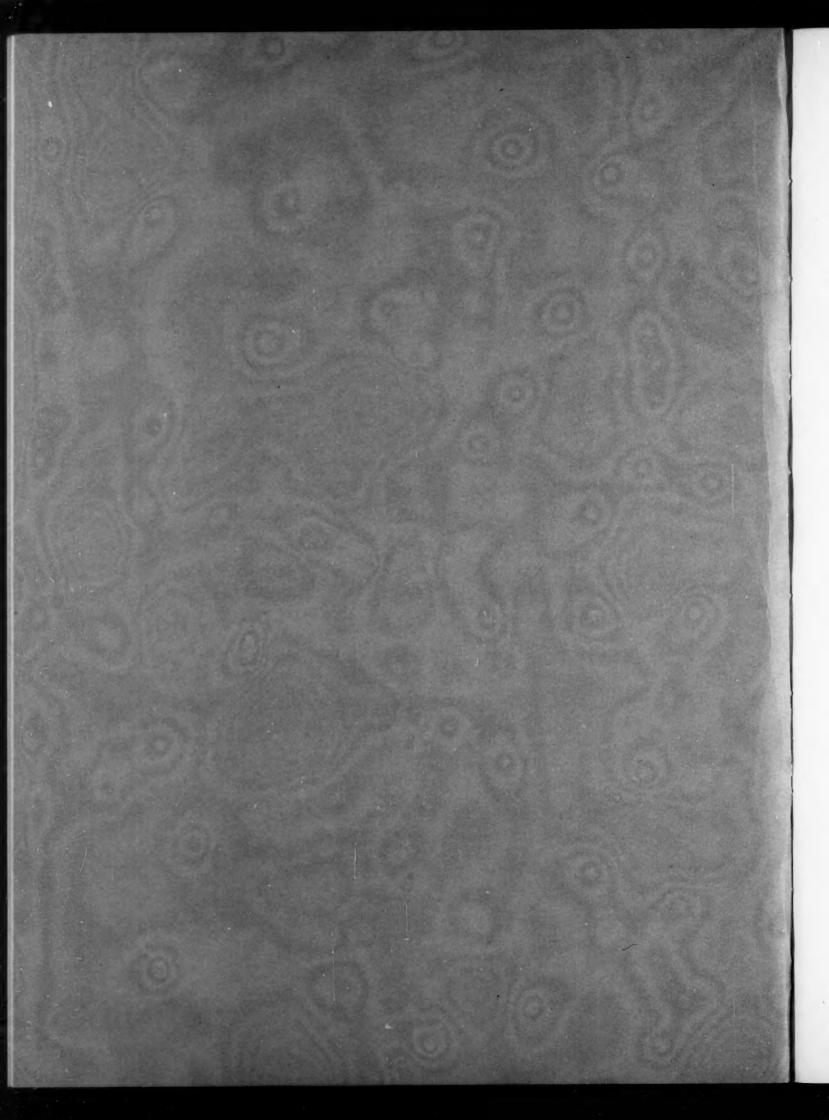
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GENERAL

### GENERAL GEOGRAPHY

- Hartshorne, Richard. The nature of geography; a critical survey of current thought in the light of the past. [4th print.] [Ann Arbor, Mich., Edwards Brothers, 1951] 482 p. Reprinted from: Annals of the Association of American Geographers. Vol. 29. Nos. 3-4. 1939.
- King, H. W. The pattern of human activities; (modern regional studies). [2d ed. rev. and enl.] Sydney, Australasian Publishing Co. [1951] 646 p. Maps. Presentation of a liberal course in regional geography for fourth and fifth year pupils in geography classes in secondary schools.

### MATHEMATICAL GEOGRAPHY

Lloyd, H. Alan. A link with Captain Cook and H.M.S. Endeavour. (Endeavour. Vol. 10. No. 40. October, 1951. p. 200-204. Map.) 34

### Navigation

Herrick, Samuel. Rocket navigation. Los Angeles [1950] (University of California. Los Angeles. Astronomical papers. Vol. 1. No. 11. p. 107-122.) Reprinted from: Navigation. Vol. 2. December, 1950. p. 259-272.

### Electronic Devices

Nupen, Wilhelm. Selective annotated bibliography on radar as applied to meteorology. (Meteorological abstracts and bibliography. Vol. 2. No. 8. August, 1951. p. 680-711.)

### Cartography

- Kyewski, B. Uber die Mercatorprojektion. Zum 50jährigen Bestehen des Mercator-Gymnasiums Duisburg. (Erdkunde. Bd. 5. Heft 2. April 1951. p. 97-106.)
- Darkot, Besim. Kartografya dersleri. Istanbul, 1947. 239 p. (Istanbul Universitesi Yayinlarindan, no. 88.) Edebiyat Fakültesi Coğrafya Enstitüsü Neşriyati, 5.
- Vacquier, V., & others. Interpretation of aeromagnetic maps. [New York] 1951. 151 p. Maps. (The Geological Society of America. Memoir 47.)
- Cartography round table. (The Professional geographer. N. s. Vol. 3. No. 4. September, 1951. p. 3-12.) Contents: Kish, George. Survey of the Teaching of cartography in the United States and Canada (1950-1951). Robinson, Arthur H. University training for government cartographers. Beishlag, George. Aims and limite in teaching cartography. Odell, Clarence B. The needs of private

industry in the training of cartographers. - Raisz, Erwin. Summary of discussion on the teaching of cartography.

39
Le Baut, L. Plans et cartes, graphiques et diagrammes; guide des

Le Baut, L. Plans et cartes, graphiques et diagrammes; guide des travaux pratiques de géographie à l'usage des établissements scolaires. Paris, Éditions A. Lesot [1951] 54 p. Maps.

### PHYSICAL GEOGRAPHY

Vening Meinesz, F. A. A remarkable feature of the earth's topography; origin of continents and oceans. Excerpt: Koninklijke Nederlandse Akademie van Wetenschappen. Proceedings. Vol. 54. No. 3. Ser. B. Physical sciences. 1951. p. 212-228. Map.

Les "Pediments" arides et semi-arides: les conditions, les processus, les formes, les dépôts. Leur survivance dans la morphologie actuelle des régions appartenant à d'autres climats. (Comptes rendus du Congrès International de Géographie, Lisbonne, 1949. Tome II. Travaux des Sections II et III. 1950. p. 9-166. Maps.) Articles by various authors.

### Geogectonic Movements

Les Déformations récentes et leur influence sur le modelé actuel. (Comptes rendus du Congrès International de Géographie, Lisbonne, 1949. Tome II. Travaux des Sections II et III. 1950. p. 167-241. Map.) Articles by various authors.

### Volcanism

Williams, Howel. Volcaroes. ... Although they have caused much death and destruction, they are also useful and could be more so. (Scientific American. Vol. 185. No. 5. November, 1951. p. 45-53.

Map.)

#### Waterfalls

Angeby, Olof. Pothole erosion in recent water-falls. Lund, 1951. 34 p. Maps. (Royal University of Lund. Dept. of Geography. Lund studies in geography. Ser. A. Physical geography, no. 2.) 43

#### Terraces

Étude des terrasses pliocènes et pleistocènes. (Comptes rendus du Congrès International de Géographie, Lisbonne, 1949. Tome II. Travaux des Sections II et III. 1950. p. 457-528. Maps.) Articles by various authors.

#### Snow and Ice

U.S. Geological Survey. Ice wedges in perennially frozen ground studied. [Washington, U.S. Dept. of the Interior, Information Service, 1951] 4 mimeographed 1. Press release for November 10, 1951.

#### Mountaineering

43

Schweizerische Stiftung für Alpine Forschungen. Berge der Welt.

Schriftenreihe für Alpinismus Expeditionen Wissenschaft. Abi Gamin, Annapurna, Baffin Island. 6. Bd. Zürich, Büchergilde Gutenberg, 1951. 288 p. Maps.

#### Islands

Blache, Jules. Les particularités géographiques des îles. (Bulletin de la Société de Géographie et d'études Coloniales de Marseille.

Tome 64. Années 1948-1950. 1951. p. 5-22.)

43

### Oceanography

International Geodetic and Geophysical Union. International Committee on the Nomenclature of Ocean Bottom Features. Interim report.
[By J. D. H. Wiseman, Chairman] [N. p., 1951] 4 mimeographed 1. 45

### Meteorology and Climatology

Morgen, A. Beiträge zur Geschichte der Phänologie; zum zweihundertsten Jahr ihrer Begründung. (Angewandte Meteorologie. Bd. 1. Heft 2. September 1951. p. 36-43.)

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Nupen, Wilhelm. Selective annotated bibliography on radar as applied to meteorology. (Meteorological abstracts and bibliography. Vol. 2. No. 8. August, 1951. p. 680-711.)

Blaney, Harry F. Consumptive use of water. (Proceedings, American Society of Civil Engineers. Vol. 77. Separate no. 91. October, 1951. 19 p.)

Étude des variations climatiques. (Comptes rendus du Congrès International de Géographie, Lisbonne, 1949. Tome II. Travaux des Sections II et III. 1950. p. 529-650. Map.) Articles by various authors.

## Biogeography

Biologia; an international year-book devoted to the pure and applied plant and animal sciences. Vol. 2. 1950/51. (Chronica botanica. Vol. 12. No. 4/6. 1948/1949. Pub. 1951. 332 p.)

Biogéographie. (Comptes rendus du Congrès International de Géographie, Lisbonne, 1949. Tome II. Travaux des Sections II et III. 1950. p. 773-870. Maps.) Articles by various authors.

Rich, L. R. Consumptive use of water by forest and range vegetation. (Proceedings, American Society of Civil Engineers. Vol. 77. Separate no. 90. October, 1951. 14 p.)

Sigafoos, R. S. Soil instability in tundra vegetation. (The Ohio journal of science. Vol. 51. No. 6. November, 1951. p. 281-298. Map.)

### HUMAN GEOGRAPHY

#### Statistics

Libault, André. L'interprétation des valeurs numériques dans la recherche géographique. (Annales de géographie. 60. année. No. 320. Mai-Juin 1951. p. 161-182.)

Deming, W. Edwards. Statistical techniques in industry as a national resource. [New York] 1951. 13 mimeographed p. (United Nations.

Economic and Social Council. General. E/CN. 3/Sub.1/35. 22 October 1951.) "Based on lectures delivered to top management of Japanese industry in 1950 and 1951, and on courses in the statistical control of quality, under the auspices of the Union of Japanese Scientists and Engineers."

### Geography of Population

Kagami, Kanji. Population map using conical symbols. (The Geographical review of Japan. Vol. 24. No. 9. September, 1951. p. 324-327. Map.) In Japanese with English summary: p. 327.

### Land Tenure

Hartke, W. Die Heckenlandschaft; der geographische Charakter eines Landeskulturproblems. (Erdkunde. Bd. 5. Heft 2. April 1951. p. 132-152. Maps.)

#### Ports

Amphoux, Marcel. Pour une classification des ports maritimes. (Revue de "La Porte océane". 7. année. No. 76. Aout-Septembre 1951. p. 5-7; No. 77. Octobre 1951. p. 3-6.)

### Economic Geography

United Nations. Dept. of Economic Affairs. Problems of unemployment and inflation, 1950 and 1951. Analysis of replies by governments to a United Nations questionnaire. New York, 1951. 173 p. 53

### Mines and Mineral Resources

Cooper, Margaret, comp. Selected bibliography of published references on uranium occurrences and radioactive ore deposits of possible interest to the petroleum industry. New York, 1951. 15 mimeographed 1. (U.S. Atomic Energy Commission. Raw Materials Operations. Series A. RMO-547.)

Oil under the high seas: the new rule. Under recent proposals by the International Law Commission, coastal states will be entitled to appropriate the resources under the high seas beyond their territorial waters. (Petroleum press service. Vol. 18. No. 11. November, 1951. p. 353-355.)

#### Food

Pfeifer, Gottfried. Die Ernährungswirtschaft der Erde. Landshut/ Bay., Verlag des Amtes für Landeskunde, 1950. p. 241-270. Maps. (Deutscher Geographentag, München, 1948. Bd. 27. Heft 12.) 53

#### Rubber

Natural Rubber Bureau, Washington, D.C. Natural rubber and you. [Washington, D.C., 1951] 28 p. Maps.

### Forests and Forestry

- Fletcher, Merna Irene. Balsa -- production and utilization. ...

  During recent war years Ecuador supplied 95 percent of world production but must now meet competition from wild and cultivated sources in Central America and Ceylon. [N. p., 1951] Reprinted from: Economic botany. Vol. 5. No. 2. April-June, 1951. p. 107-125. Map.
- Geiger, R. Der kunstliche Windschutz als meteorologisches Problem. (Erdkunde. Bd. 5. Heft 2. 1951. p. 106-114.)

53

### Textile Industries

U.S. Bureau of Agricultural Economics. Statistics on cotton and related data. Washington, D.C., 1951. 410 p. (Statistical bulletin, no. 99.)

### Industrial Geography

Alexander, J. W., comp. Chronological appearance of articles on manufacturing in four American geographical publications. [N. p., 1951?] 6 mimeographed l. The four periodicals are: Journal of geography, Annals of the Association of American Geographers, Geographical review, Economic geography.

### Power

Varon, H. Les conditions et les caractères généraux de l'industrie de l'électricité. (L'Information géographique. 15e année. No. 4. Juillet-octobre 1951. p. 138-144.)

### Archeology

Aspects of archaeology in Britain and beyond. Essays presented to O. G. S. Crawford. Ed. by W. F. Grimes. London, H. W. Edwards, 1951. 386 p. Maps.

### Social and Cultural Geography

Schuster, Carl. Joint-marks; a possible index of cultural contact between America, Oceania and the Far East. Amsterdam, 1951. 51 p. Map. (Koninklijk Instituut voor de Tropen, Amsterdam. Mededeling, no. 94.) Afdeling culturele en physische anthropologie, no. 39. 55

### HISTORY OF GEOGRAPHY

- Jos, Emiliano. El libro del primer viaje. Algunas ediciones recientes. (Revista de Indias. Año 10. Núm. 42. 1950. p. 719-751.) 67 Corrêa, Virgilio. Aspectos do rompimento da linha tordesilhana.
- (Instituto Histórico e Geográfico Brasileiro. Congresso de História Nacional, 4., 1949. Anais. Vol. 7. 1950. p. 167-197.) 67
- Fernandes, Valentim. Description de la côte occidentale d'Afrique (Sénégal au Cap de Monte, Archipels). [Ed. by] Th. Monod, A. Teixeira da Mota et R. Mauny. Préface de M. M. Sarmento Rodrigues.
  Bissau, 1951. 223 p. Maps. (Centro de Estudos da Guiné Portuguesa. N.º 11.)

Du Creux, François. The history of Canada or New France. Tr. with an introduction by Percy J. Robinson. Ed. with notes by James B. Conacher. Toronto, 1951. 1 v. Map. (Champlain Society. Publications, 30.)

Bolton, Herbert E. Pageant in the wilderness; the story of the Escalante Expedition to the Interior Basin, 1776; including the diary and itinerary of Father Escalante translated and annotated. Salt Lake City, Utah State Historical Society, 1950. 265 p. Maps. An account of the journey under the leadership of Father Silvestre Vélez de Escalante, through New Mexico, Colorado, Utah, and Arizona.68

Woodbury, George. The great days of Piracy in the West Indies. New York, W. W. Norton [1951] 232 p.

Almeida, Manuel Lopes de. Um documento sôbre a expedição de Duclerc ao Rio de Janeiro em 1710. (Instituto Histórico e Geográfico Brasileiro. Congresso de História Nacional, 4., 1949. Anais. Vol. 7. 1950. p. 141-154.)

### GEOGRAPHICAL TEXTBOOKS

King, H. W. The pattern of human activities; (modern regional studies). [2d ed. rev. and enl.] Sydney, Australasian Publishing Co. [1951] 646 p. Maps. Presentation of a liberal course in regional geography for fourth and fifth year pupils in geography classes in secondary schools.

Erinc, Sirri, & Ongor, Sami. Türkiye coğrafyasi. Orta III. Istanbul, Okul Kitaplari Türk [1950] 130 p. Maps. 71

Darkot, Besim. Türkiye coğrafyasi. Ortaokul III. Istanbul, Okul Kitaplari Türk [1949?] 162 p. Maps.

#### GEOGRAPHICAL AIDS

#### Atlases

Grote Elsevier atlas voor buitenlandse handel, internationale migratie, toerisme... waarin opgenomen tweehonderd kaarten, en ruim duizend detailkaarten in zwart en in kleuren. [Samengesteld onder leiding van W. E. Boerman, M. A. Lefèvre, K. D. Bosch, R. F. Lissens, & E. Penkala] Amsterdam, Brussel, Elsevier, 1950-51. 2 v. 83

#### New Periodicals

California. University. Institute of Navigation. Navigation; journal of the Institute of Navigation. Los Angeles, 1950- 85 Germany. Meteorologischer Dienst. Angewandte Meteorologie. Beihefte zur Zeitschrift für Meteorologie. Berlin, Akademie-Verlag, 1951-

India. Geological Survey. Bulletins. Series B: Engineering geology and ground-water. Calcutta, 1950-

Taiwan. Commission for Conservation of Taiwan Documents. Wen hien. Report of historico-geographical studies of Taiwan. Taipei, Taiwan, China, 1950?-

### Personal or Biographical

Vincenzo Coronelli nel terzo centenario dalla nascita. Venezia, C. Ferrari, 1950. 74 p. Maps. At head of title: Comune di Venezia.

Contents: Almagia, Roberto. Vincenzo Coronelli Discorso celebra-	
tivo tenuto in Palazzo Ducale il 21 maggio 1950 Gallo, Rodolfo.	
Vincenzo Coronelli e la Repubblica di Venezia Trentin, Giorgio.	
Catalogo delle opere di Vincenzo Coronelli esposte nella Galleria	00
dell'Ala Napoleonica.	86
Millas Vallicrosa, José M. En torno a los geografos llamados, Jaime	
Ferrer. (Africa. Año 8. Núm. 117. Septiembre 1951. p. 437-438.	•
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Markow, K. K. Irrtumer A. A. Grigorjews. (Sowjetwissenschaft.	
Naturwissenschaftliche Abbeilung. 1. 1951. p. 41-60.) Translated	f
by H. Haack.	86
Holmyard, E. J. James Hutton (1726-97). (In his British scientists.	
	86
1951. p. 28-30.)	00
Losada, Angel. De Thesauris; un manuscrito original e inédito del	
Padre Las Casas. (Revista de Indias. Año 10. Núm. 42. 1950.	
p. 769-778.)	86
Mountevans, E.R.G.R.E., 1st baron. Happy adventurer; an autobiogra-	
phy. New York, W. Funk, 1951. 130 p.	86
Dillon, Richard H., ed. Peter Pond and the overland route to Cook's	
Inlet. (Pacific Northwest quarterly. Vol. 42. No. 4. October,	
1951. p. 324-329.)	86
Oesher, Pau. The indomitable [John Wesley] Powell; a one-armed	00
Major with a way of starting things. (The Land. Vol. 10. No. 3.	00
Augumn, 1951. p. 277-282.)	86
Larrain, Carlos J. Valdivia y sus compañeros. (Revista de Indias.	-
Año 10. Núm. 42. 1950. p. 753-767.)	86
Schmauss, A. Alfred Wegeners Leben und Wirken als Meteorologe.	
(Annalen der Meteorologie. 4. Jahrg. Heft 1-6. 1951. p. 1-13.)	86
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AMERICA  James, Preston E. Programa para un relevamiento geográfico de América. Buenos Aires, Imprenta y Casa Editora "Coni", 1950. 23 p.  (Buenos Aires. Universidad. Facultad de Filosofía y Letras. Instituto de Geografía. Serie A. No. 15.)	
AMERICA  James, Preston E. Programa para un relevamiento geográfico de América. Buenos Aires, Imprenta y Casa Editora "Coni", 1950. 23 p. (Buenos Aires. Universidad. Facultad de Filosofía y Letras. In-	
AMERICA  James, Preston E. Programa para un relevamiento geográfico de América. Buenos Aires, Imprenta y Casa Editora "Coni", 1950. 23 p.  (Buenos Aires. Universidad. Facultad de Filosofía y Letras. Instituto de Geografía. Serie A. No. 15.)	
James, Preston E. Programa para un relevamiento geográfico de América. Buenos Aires, Imprenta y Casa Editora "Coni", 1950. 23 p. (Buenos Aires. Universidad. Facultad de Filosofía y Letras. Instituto de Geografía. Serie A. No. 15.)  NORTH AMERICA  Jaques, Florence Page. As far as the Yukon. Illustrations by Francis Lee Jaques. New York, Harper & Brothers [1951] 243 p. Ac-	12
AMERICA  James, Preston E. Programa para un relevamiento geográfico de América. Buenos Aires, Imprenta y Casa Editora "Coni", 1950. 23 p. (Buenos Aires. Universidad. Facultad de Filosofía y Letras. Instituto de Geografía. Serie A. No. 15.)  NORTH AMERICA  Jaques, Florence Page. As far as the Yukon. Illustrations by Francis Lee Jaques. New York, Harper & Brothers [1951] 243 p. Account of a trip from Texas to Alaska, then down the Yukon and across Canada.  Carter, George F. Man in America: a criticism of scientific thought. (The Scientific monthly. Vol. 73. No. 5. November, 1951. p.	12
James, Preston E. Programa para un relevamiento geográfico de América. Buenos Aires, Imprenta y Casa Editora "Coni", 1950. 23 p. (Buenos Aires. Universidad. Facultad de Filosofía y Letras. Instituto de Geografía. Serie A. No. 15.)  NORTH AMERICA  Jaques, Florence Page. As far as the Yukon. Illustrations by Francis Lee Jaques. New York, Harper & Brothers [1951] 243 p. Account of a trip from Texas to Alaska, then down the Yukon and across Canada.  Carter, George F. Man in America: a criticism of scientific thought.	12
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James, Preston E. Programa para un relevamiento geográfico de América. Buenos Aires, Imprenta y Casa Editora "Coni", 1950. 23 p. (Buenos Aires. Universidad. Facultad de Filosofía y Letras. Instituto de Geografía. Serie A. No. 15.)  NORTH AMERICA  Jaques, Florence Page. As far as the Yukon. Illustrations by Francis Lee Jaques. New York, Harper & Brothers [1951] 243 p. Account of a trip from Texas to Alaska, then down the Yukon and across Canada.  Carter, George F. Man in America: a criticism of scientific thought (The Scientific monthly. Vol. 73. No. 5. November, 1951. p. 297-307.)  Hibben, Frank C. Treasure in the dust; exploring ancient North	12
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James, Preston E. Programa para un relevamiento geográfico de América. Buenos Aires, Imprenta y Casa Editora "Coni", 1950. 23 p. (Buenos Aires. Universidad. Facultad de Filosofía y Letras. Instituto de Geografía. Serie A. No. 15.)  NORTH AMERICA  Jaques, Florence Page. As far as the Yukon. Illustrations by Francis Lee Jaques. New York, Harper & Brothers [1951] 243 p. Account of a trip from Texas to Alaska, then down the Yukon and across Canada.  Carter, George F. Man in America: a criticism of scientific thought. (The Scientific monthly. Vol. 73. No. 5. November, 1951. p. 297-307.)  Hibben, Frank C. Treasure in the dust; exploring ancient North America. Philadelphia, J. B. Lippincott [1951] 311 p.	12 21 51 55

behavior. (Civil engineering. Vol. 21. No. 11. November, 1951. p. 39-41.)

Laughlin, W. S., & Marsh, G. H. A new view of the history of the Aleutians. (Arctic. Vol. 4. No. 2. September, 1951. p. 75-88.)55

Samson, Sam. The Eskimo princess; a story of a million dollar gold discovery in the Cyrus Noble in Nome, Alaska; as told to Mignon Maynard Chisam. Boston, Christopher Publishing House [1951] 50 p. 53

### Alaska, Canada

Bartz, Fritz. Die Möglichkeiten der landwirtschaftlichen Bodennutzung im Nordwesten Nordamerikas. (Deutscher Geographentag, München, 1948. Bd. 27. Heft 11. 1950. p. 232-240.)

### Canada

Canadian papers presented at the Oslo meetings of the International Union of Geodesy and Geophysics, August, 1948. Ottawa, 1949. 84 mimeographed 1. Maps. (National Research Council of Canada. Associate Committee on Soil and Snow Mechanics. Technical memorandum, no. 14.) Contents: Baird, P. D., & Salt, D. J. Report on Expedition Snow Cornice. - Klein, G. J. Canadian survey of physical characteristics of snow covers. - Legget, R. F. Canadian interest in snow and ice research. - Meek, V. Glacier observations in the Canadian Cordillera. - Hoover, O.H. Effects of Chinook (foehn) winds on snow cover and runoff.

Timlin, Mabel F. Does Canada need more people? Issued under the auspices of the Canadian Institute of International Affairs. Toronto, Oxford University Press, 1951. 143 p.

Canada. Dept. of Mines and Technical Surveys. Geographical Branch. Selected bibliography of Canadian geography with imprint 1950. (Cumulative edition comprising Bibliographical series nos. 4 and 6 with additional entries.) Ottawa, 1951. 25 mimeographed 1. (Bibliographical series, no. 7.)

### Yukon, Northwest Territories, British Columbia

Roch, André. Mount Logan. (Schweizerische Stiftung für Alpine Forschungen, Zürich. Berge der Welt. 6. Bd. 1951. p. 169-179.) 43 Banfield, A. W. F. Notes on the mammals of the Mackenzie District, Northwest Territories. (Arctic. Vol. 4. No. 2. September, 1951. p. 112-121. Map.)

Brink, V. C., & Farstad, L. The physiography of the agricultural areas of British Columbia. [N. p., 1949] Reprinted from: Scientific agriculture. Vol. 29. June, 1949. p. 273-301.

Mathews, W. H. The table, a flat-topped volcano in southern British Columbia. (American journal of science. Vol. 249. No. 11. November, 1951. p. 830-841. Map.)

Hobson, Richmond P. Grass beyond the mountains; discovering the last great cattle frontier on the North American continent. Philadelphia, J. B. Lippincott Co. [1951] 256 p. Map. Story of the exploration of the remote mountain lands of British Columbia by three men.

### James Bay

Manning, T. H. Remarks on the tides and driftwood strand lines along the east coast of James Bay. (Arctic. Vol. 4. No. 2. September, 1951. p. 122-130. Map.)

#### Quebec

- Davies, Blodwen. Quebec; portrait of a province. New York, Greenberg [1951] 258 p. Map.
- Claveau, Jacques. Iserhoff River area, Abitibi-East County. Quebec, 1951. 47 p. Map. (Quebec (Province) Dept. of Mines. Geological Surveys Branch. Geological report, 49.)
- Gilbert, J. E. Capisisit Lake area, Abitibi-East County. Quebec, 1951. 51 p. Maps. (Quebec (Province) Dept. of Mines. Geological Surveys Branch. Geological report, 48.)
- Graham, R. Bruce. Preliminary report on Caché Lake area, northwest quarter of Obalski township, Abitibi-East County. Quebec, 1951. 17 mimeographed p. Maps. (Quebec (Province) Dept. of Mines. Mineral Deposits Branch. P. R. No. 259.)

### United States

- Hill, Roland L. Hillsway; the best places to eat and stay in the U.S.A. A listing of several thousand places in the U.S. that are highly recommended for your patronage by the author who is reputed to be America's outstanding gourmet, traveler, and expert on where to go, stop, eat, play and shop. [3d ed.] [Long Beach, Calif.,
- Hillsway Co.] 1951. 120 p. Maps.

  Studds, Robert F. A. The United States Coast and Geodetic Survey:
  its work and products. (Empire survey review. Vol. 11. No. 81.

- July, 1951. p. 98-111; No. 82. October, 1951. p. 146-158.) 3 [Map] [United States]. International map of the world 1:1,000,000. Comp. in 1945, engraved and printed in 1951 by the [U.S.] Geological Survey. Modified polyconic projection. Washington, 1951. 3 sheets. N. H-14, Austin. N. H-15, Mississippi Delta. N. L-10, Cascade Range
- Salter, Robert M. Utilizing our soil resources for greater production. (The Annals of the American Academy of Political and Social Science. Vol. 278. November, 1951. p. 179-190.)
- Alexander, Gerard L. Nicknames of American cities, towns and villages: past and present. New York, Special Libraries Association [1951] 74 p.
- [Map] Etats-Unis d'Amérique. Carte industrielle. [Paris] Imprimé à l'Institut Géographique National, 1950. (France. Présidence du Conseil. Secrétariat Général du Gouvernement. Direction de la Documentation. Carte N° 43) 1:8,000,000.
- Garrett, Garet. Ex America. Caldwell, Idaho, Caxton Printers, 1951.
  42 p.
- Pehrson, Elmer Walter. Problems of United States mineral supply.

  (The Annals of the American Academy of Political and Social Science. Vol. 278. November, 1951. p. 166-178.)
- Parsons, James J. Natural gas. In terms of energy the U.S. has more of this cheap, clean, convenient fuel than petroleum. (Scientific American. Vol. 185. No. 5. November, 1951. p. 17-21. Map.) 53 Organisation for European Economic Co-operation. The pulp and paper

Paris, 1951. 378 p. Map.	53
U.S. Bureau of Agricultural Economics. Statistics on cotton and	00
related data. Washington, D.C., 1951. 410 p. (Statistical bulle-	
	53
Anderson, A. W., & Power, E. A. Fishery statistics of the United	-
States, 1948. Washington, 1951. 305 p. Map. (U.S. Fish and	
	53
[Map] United States system of numbered highways adopted for uniform	50
marking by the American Association of State Highway Officials, to-	
gether with the federal aid highway system. Corrected to Jan. 1,	
1950. Washington, Bureau of Public Roads, 1950. 2 sheets. [1:	
	53
Williams, Benjamin H., ed. The search for national security. (The	30
Annals of the American Academy of Political and Social Science.	
	54
U.S. Library of Congress. Reference Dept. Map Division. The	04
Hotchkiss map collection; a list of manuscript maps, many of the	
Civil War period, prepared by Major Jed. Hotchkiss, and other manu-	
script and annotated maps in his possession. Comp. by Clara Egli	
LeGear. With a foreword by Willard Webb. Washington, 1951. 67	
	56
Janeway, Eliot. The struggle for survival; a chronicle of economic	30
mobilization in World War II. New Haven, Yale University Press,	
	56
Kentucky. University. Dept. of Geography. Directory of college	00
geography of the United States. Academic year 1949-1950. [By J.R.	
The state of the s	75
boundaries, total at most at most at market	, ,
Northeastern United States	
Fisher, Donald W., & Hanson, George F. Revisions in the geology of	
Saratoga Springs, New York, and vicinity. (American journal of	
science. Vol. 249. No. 11. November, 1951. p. 795-814. Maps.)	42
Todd, David K. On summertime rainfall at New York, N.Y. (Transac-	
tions, American Geophysical Union. Vol. 32. No. 5. October,	
	52
New York (State) Thruway Authority. An interim report on the New	
	53
Lougee, Richard J., & Vander Pyl, Adrian W. Glacial water levels in	
the Thames-Willimantic River Valley. (The Scientific monthly.	
	43
Godfrey, William S. The archaeology of the old stone mill in New-	
port, Rhode Island. (American antiquity. Vol. 17. No. 2. Octo-	
	55
Toward a new Pittsburgh. (Pennsylvania. Dept. of Commerce. State	
Planning Board. Pennsylvania plans. Vol. 1. No. 7. October,	
	52
Stickler, C. W.; Mullen, W. F.; Bitner, A. Wayne. Industrial studies	
of Pennsylvania slate production. State College, Pa. [1950] 43 p.	
Map. (Pennsylvania. State College. Mineral Industries Experiment	
	E 12
Station. Bulletin 58.)	53

### Southeastern United States

Science at Seabrook. (The Johns Hopkins magazine. Vol. 3. No. 1.

October, 1951. p. 3-8+.) An account of the work of Dr. C. Warren Thornthwaite at the Johns Hopkins University Laboratory of Climatol	
ogy.	46
Myers, Leroy O. Bituminous coal stripping in West Virginia. [N. p., 1950] 3 p. Reprinted from: Proceedings of the West Virginia	,
Academy of Science. Vol. 22. 1950. p. 98-100.	53
Perkins, S. O., & Gettys, William. Soil survey of Cherokee County, North Carolina. [Washington] 1951. 102 p. Maps. (U.S. Bureau of Plant Industry, Soils, and Agricultural Engineering. Soil survey [reports] Series 1941. No. 2.) Issued in cooperation with North Carolina Agricultural Experiment Station and Tennessee Valley	4 400
Authority.	43
Zelinsky, Wilbur. An isochronic map of Georgia settlement, 1750- 1850. Savannah, Georgia Historical Society, 1951. Reprinted from Georgia historical quarterly. Vol. 35. No. 3. September, 1951. p. 191-195. Map.	52
Atlanta. Metropolitan Planning Commission. Metropolitan Atlanta; a factual inventory. 2d printing. Atlanta, 1951. 40 p. Maps. Basso, Hamilton. Savannah and the golden isles. (Holiday. Vol. 10.	
No. 6. December, 1951. p. 44-57. Map.)	52
North Central United States	
Townsend, R. C., & Jenke, Arthur L. The problem of the origin of the Max moraine of North Dakota and Canada. (American journal of science. Vol. 249. No. 11. November, 1951. p. 842-858. Maps.)	43
Hagen, Harold A. The North Dakota land grants. Land grants to states: the development of federal policy to 1889. (North Dakota history. Vol. 18. No. 1. January, 1951. p. 5-24; Nos. 2-3.	10
April-July, 1951. p. 93-155; cont.)	52
Fries, Robert F. Empire in pine; the story of lumbering in Wisconsin, 1830-1900. Madison, State Historical Society of Wisconsin, 1951. 285 p. Map.	53
Kansas. State Board of Agriculture. Kansas crop and livestock statistics; 1950 annual summary. Report of the Kansas State Board of	00
Agriculture. Topeka, 1951. 141 p. Maps.	53
Savage, C. N. Mass-wasting, classification and damage in Ohio. (The Ohio journal of science. Vol. 51. No. 6. November, 1951. p. 299-308.)	43
Indiana Economic Council. Selected statistics by areas, counties and urban places in Indiana. Indianapolis, 1949. 18 1. Map. (Mis-	
Visher, Stephen Sargent. Indiana scientists; a biographical directory and an analysis. With brief sections by F. J. Allen [and oth-	-
ers] Indianapolis, Indiana Academy of Science, 1951. 286 p.	90
Missouri Valley	
Baumhoff, Richard G. The dammed Missouri Valley; one sixth of our nation. New York, A. A. Knopf, 1951. 291 p.	12

### South Central United States

Schoff, Stuart L., & Reed, Edwin W. Ground-water resources of the Arkansas River flood plain near Fort Gibson, Muskogee County, Oklahoma. Norman, 1951. 55 p. Maps. (Oklahoma. Geological Survey.

Circular no. 28.) "Prepared in cooperation between the U. S.	
Geological Survey and the U.S. Bureau of Reclamation."	44
Secoy, Frank R. The identity of the "Paduca"; an ethnohistorical	
analysis. (American anthropologist. Vol. 53. No. 4. Part 1.	
	52
U.S. National Park Service. Natchez Trace Parkway; Tennessee, Ala-	-
bama, Mississippi. [Revised] [Washington, 1951] folder (8 p.)	
	53
	٥٥
Arkansas. Legislative Council. Research Dept. State of Arkansas.	
Classified information listed by counties (population, area, county	
seats, topography, source of income, etc.) Prepared in connection	
with redistricting the state for Congressional purposes. [Little	_
	12
Attaya, James Samuel. Lafayette County geology. University, Miss.,	
1951. 49 p. Maps. (Mississippi. State Geological Survey. Bul-	
	12
U.S. Congress, 82d, 1st Session. House. Arkansas River, Conway	
County drainage and levee district no. 1, Arkansas. Letter from	
the Secretary of the Army, transmitting a letter from the Chief of	
Engineers, United States Army on Arkansas River and tributaries,	
with a view to improvement for flood control in Conway County	
drainage and levee district no. 1, in Conway County, Ark., along	
the south side of the Arkansas River [Washington, 1951] 34 p.	
	14
	12
U.S. Congress, 82d, 1st Session. House. Arkansas River, Holla Bend	
Bottom, Arkansas. Letter from the Secretary of the Army, transmit-	
ting a letter from the Chief of Engineers, United States Army	
on the Arkansas River and tributaries, with a view to improvement	
for flood control in Holla Bend Bottom, an area in Pope County,	
Ark., along the north side of the Arkansas River [Washington,	
meent ne to make a make	4
U.S. Congress, 82d, 1st Session. Senate. Atchafalaya River, La.	
Letter from the Secretary of the Army, transmitting a letter from	
the Chief of Engineers, United States Army on Atchafalaya River,	
La Washington, 1951. 24 p. Maps. (Document no. 53.)	4
Lusk, Tracy Wallace. Ground water investigations along Bogue Phalia	
between Symonds and Malvina, Bolivar County. University, Miss.,	
1951. 19 p. (Mississippi. State Geological Survey. Bulletin 72.)4	14
Tarver, James D. Changes in Arkansas population. Fayetteville,	
1950. 20 p. Maps. (Arkansas. Agricultural Experiment Station.	
Report series, 21.)	2
Vestal, Franklin Earl. Webster County iron ores. University, Miss.,	~
1951. 48 p. Map. (Mississippi. State Geological Survey. Bulle-	
	3
Meade, Fayette M. Forest plantations in Arkansas; plantations in the	
Arkansas Ozarks and experimental plantings on a coastal plain site	
in southwest Arkansas. Fayetteville, 1951. 50 p. Map. (Arkansas.	
Agricultural Experiment Station. Bulletin 512.)	3

### Northwestern United States

Starr, Warren A., & Wheeting, L. C. Land capability methods for conserving Washington soils. Pullman, 1950. 40 p. Maps. (Washington. State College. Institute of Agricultural Sciences. Popular bulletin, no. 200.) Issued in cooperation between Washington Agricultural Experiment Stations and U.S. Soil Conservation Service. 53

- Adams, W. Claude. History of papermaking in the Pacific Northwest. (Oregon historical quarterly. Vol. 52. No. 1. March, 1951. p. 21-37; No. 2. June, 1951. p. 83-100; No. 3. September, 1951. p. 154-185.)
- Thurlow, Ernest E., & Reyner, Millard L. Free Enterprise uranium prospect, Jefferson County, Montana. Oak Ridge, Tenn., U.S. Atomic Energy Commission, Technical Information Service, 1950. 12 p. Maps. (U.S. Atomic Energy Commission. Division of Raw Materials. Exploration Branch. RMO-678.)
- Shumate, Maynard. The archaeology of the vicinity of Great Falls, Montana. Missoula, 1950. 23 mimeographed 1. Maps. (Montana. State University. Dept. of Sociology. Anthropology and sociology papers, no. 2.)
- Thompson, Otto, & Hand, Susan. Archaeological notes on the Madison and Jefferson rivers [Montana] Missoula, 1950. 8 mimeographed 1. Maps. (Montana. State University. Dept. of Sociology. Anthropology and sociology papers, no. 3.)

### Southwest

- Corle, Edwin. The Gila, river of the Southwest. New York, Rinehart [1951] 402 p. Map. (Rivers of America.) 44 & 9
- U.S. National Park Service. Capitol Reef National Monument, Utah. [Washington, 1951] folder (6 p.) Map.
- Reinhardt, E. V. Reconnaissance of Henry Mountains area, Wayne and Garfield counties, Utah. Oak Ridge, Tenn., U.S. Atomic Energy Commission, Technical Information Service, 1951. 7 p. Map. (U.S. Atomic Energy Commission. Division of Raw Materials. Exploration Branch. RMO-753.)
- Dodd, Philip H. Happy Jack mine, White Canyon, Utah. Oak Ridge, Tenn., U.S. Atomic Energy Commission, Technical Information Service, 1950. 23 p. Maps. (U.S. Atomic Energy Commission. Division of Raw Materials. Exploration Branch. RMO-660.)
- Reyner, Millard L. Preliminary report on some uranium deposits along the west side of the San Rafael Swell, Emery County, Utah. Oak Ridge, Tenn., U.S. Atomic Energy Commission, Technical Information Service, 1950. 31 p. Map. (U.S. Atomic Energy Commission. Division of Raw Materials. Exploration Branch. RMO-673.)
- Wright, Robert J. Reconnaissance of certain uranium deposits in Arizona. Oak Ridge, Tenn., U.S. Atomic Energy Commission, Technical Information Service, 1950. 21 p. Maps. (U.S. Atomic Energy Commission. Division of Raw Materials. Exploration Branch. RMO-679.)

### California

The French Scientific Expedition to California, 1877-1879. (University of California, Berkeley. Archaeological Survey. Reports. No. 12. 1951. p. 6-13.) Papers on California archaeology. No. 14. Part 1 is a translation of those portions of E. T. Hamy's account of the Pinart and de Cessac expedition which concerns the activities of the two explorers in California. Part 2 is a translation of Leon de Cessac's report of his experiences on the same expedition.

## HISPANIC AMERICA

# Mexico, Central America

Thompson, J. Eric S. Canoes and navigation of the Maya and their neighbours. (The Journal of the Royal Anthropological Institute of Great Britain and Ireland. Vol. 79. Parts 1 and 2. 1949./ Published 1951/ p. 69-78.)	f 53
Gt. Brit. Board of Trade. Commercial Relations and Exports Dept. Honduras; economic and commercial conditions in Honduras. [By] G. E. Stockley. London, 1951. 12 p. Map. (Overseas economic	
surveys.) Zavala, Joaquín. Nicaraguan fish story. (Américas. Vol. 3. No. 11. November, 1951. p. 12-15+.)	53
West Indies	
Burn, W. L. The British West Indies. New York, Hutchinson's University Library, 1951. 196 p. Map. (British Empire history.) 5 & Woodbury, George. The great days of piracy in the West Indies. New York, W. W. Norton [1951] 232 p.  Massip, Salvador, & Massip, Sarah E. Ysalgué de. La Cordillera de los Organos, en la porción occidental de Cuba. (Comptes rendus du Congrès International de Géographie, Lisbonne, 1949. Tome II. Travaux des Sections II et III. 1950. p. 734-747.)  Villar, Mary del, & Villar, Fred del. Kenaf. Experiments with new crop in Cuba promise valuable fiber source. (Américas. Vol. 3. No. 11. November, 1951. p. 24-27+.)  Hunker, Henry L. The problem of Puerto Rican migrations to the United States. (The Ohio journal of science. Vol. 51. No. 6. November, 1951. p. 342-346.)  Candee, Marjorie Dent. Isle of Beautiful women [Saba] (Travel. Vol. 96. No. 5. November, 1951. p. 20-22.)  Trinidad and Tobago. Petroleum Dept. Administration report for the	96
year 1950. Trinidad, 1951. 28 p. Map.	53
SOUTH AMERICA	
Rivet, Paul, & Créqui-Montfort, Georges de. Bibliographie des langue aymará et kičua. Paris, Institut d'Ethnologie, 1951. 1 v. Maps. (Université de Paris. Institut d'Ethnologie. Travaux et mémoires. 51.) Published in cooperation with Centre National de la Recherche Scientifique, Paris, and Viking Fund, New York. Contents: Vol. 1. 1540-1875.	•
Colombia, Venezuela, Guiana	
Colombia. Census. Resultados preliminares del Censo de Población ejecutado el 9 de Mayo de 1951. Resumen general. [Bogotá, 1951] 27 l. Typewritten. 50 Contribución al conocimiento de la región de Baruta-El Hatillo. (Sociedad de Ciencias Naturales, La Salle. Memoria. Tomo 2. No. 28. Enero-Abril 1951. p. 5-94. Maps.) Zonneveld, J. I. S., & Kruijer, G. J. Nederzettings- en occupatievormen in Suriname. (Tijdschrift van het Koninklijk Nederlandsch	12
Aardrijkskundig Genootschap. 2. reeks. Deel 68. No. 4. October,	

1951. p. 376-411. Maps.) English summary: p. 407-410. 52 & Aubert de la Rue, E. La Guyane Française. (La Nature. No. 3198. Octobre 1951. p. 302-309; No. 3199. Novembre 1951. p. 332-339. Map.)	
Peru	
Ghiglione, Piero. In den Anden von Peru. (Schweizerische Stiftung für Alpine Forschungen, Zürich. Berge der Welt. 6. Bd. 1951. p. 181-195.)	
Brazil	
Brazil. Ministério da Guerra. Serviço Geográfico do Exército. Anuário. N. 3. Rio de Janeiro, 1951. 289 p. Maps. Pedrosa, Manuel Xavier de Vasconcelos. A medicina dos índios brasileiros. (Instituto Histórico e Geográfico Brasileiro. Congresso de História Nacional, 4., 1949. Anais. Vol. 8. 1951. p. 299-323.) Castro, J. Mendonça. A medicina do português, do índio e do negro d século XVI. (Instituto Histórico e Geográfico Brasileiro. Congresso de História Nacional, 4., 1949. Anais. Vol. 8. 1951. p. 187-195.) Inman, Samuel Guy. Which way Brazilian economics? (World affairs. Vol. 5. No. 4. October, 1951. p. 479-489.) Romariz, Dora de Amarante; Tauile, Raife; Valverde, Orlando. Mapa de vegetação original das regiões Central, Sul e da Mata, do Estado de Minas Gerais. (Comptes rendus du Congrès International de Géographie, Lisbonne, 1949. Tome II. Travaux des Sections II et III. 1950. p. 831-847. Maps.) Büchele, Carlos. A Bacia do Itajaí. (Boletim geográfico. Ano 3. N. 6. Julho 1949. p. 31-61. Maps.)	51 53 a e
Peluso, Victor A. Lajes; estudo de geografia urbana. (Boletim geográfico. Ano 3. N. 6. Julho 1949. p. 1-27. Maps.)	52
EUROPE	
Ottley, Roi. No green pastures. New York, C. Scribner's Sons, 1951 234 p. Discussion of the attitude of the white population in Europe toward the Negro.  Troll, C. Heckenlandschaften im maritimen Grünlandgürtel und im Gäuland Mitteleuropas. (Erdkunde. Bd. 5. Heft 2. April 1951. p. 152-157.)  Strange, Susan. A European Agricultural Authority. (World affairs. Vol. 5. No. 4. October, 1951. p. 454-466.)  Richter, J. H. Europe's plans for an agricultural "pool". (Foreign agriculture. Vol. 15. No. 11. November, 1951. p. 231-235. Map. Steensberg, Axel. Archæological dating of the climatic change in North Europe about A.D. 1300. (Nature. Vol. 168. No. 4277. October 20, 1051 p. 672-674.)	52 52 53 )53
tober 20, 1951. p. 672-674.)  British Isles	46
DITOTOH TOTO	

Watson-Watt, Sir Robert. Meteorology and aviation. (Quarterly journal of the Royal Meteorological Society. Vol. 77. No. 334. October, 1951. p. 552-568.) 46

Fleure, H. J. A natural history of man in Britain; conceived as a study of changing relations between men and environments. London, Collins, 1951. 349 p. Maps. (The New naturalist; a survey of	
British natural history.) 501 Hobson, A. C. The great industrial belt. (The Economic journal.	& 9
Vol. 61. No. 243. September, 1951. p. 562-576.)	53
Hacking, Sir John. The electricity supply position. (Journal of the Royal Society of Arts. Vol. 99. No. 4858. October, 1951. p.	
896-913.)	53
Aspects of archaeology in Britain and beyond. Essays presented to O. G. S. Crawford. Ed. by W. F. Grimes. London, H. W. Edwards, 1951. 386 p. Maps.	55
Gibbings, Robert. Sweet Cork, of thee. New York, E. P. Dutton,	00
1951. 235 p. Map.	21
Colquhoun, Iain. Orkney: the happy isles. (The Geographical magazine. Vol. 24. No. 6. October, 1951. p. 289-302. Map.)	11
Gt. Brit. General Register Office. Census, 1951. England and Wale Preliminary report. London, 1951. 52 p.	001
Pownall, J. F. The projected Grand Contour Canal; water supply and navigation of the "Cotswold Arm" and the "Buckingham Arm". (The	
Dock & harbour authority. Vol. 32. No. 372. November, 1951. p.	
230-234. Maps.) Jong, W. W. de. Het landgebruik in de 'Central Pennines' van York-	53
shire, gezien in het licht van 'uitdaging' en 'antwoord' (Tijd-	
schrift van het Koninklijk Nederlandsch Aardrijkskundig Genootscha	-
2. reeks. Deel 68. No. 2. April 1951. p. 151-174; No. 4. October 1951. p. 412-447; cont.) English summary: The land-use in	
the Central Pennines of Yorkshire, seen in the light of challenge	
and response. No. 2, p. 151; No. 4, p. 412.	53
[Map] Bartholomew, John & Son, Ltd. Central London atlas-guide. Designed by Bartholomew. Edinburgh, The Geographical Institute, 1951. x1, 32, 56 p. (incl. maps)	52
Channel Islands	
Dalido, Pierre. Jersey, île agricole anglo normande; étude de socio- graphie. Préface de Lucien Febvre. Vannes, Imprimerie A. Chaume- ron, 1951. 450 p. Maps.	
The Netherlands, Belgium, Luxembourg	
Wilson, W. Eric, comp. Inland waterways of Holland. A handbook giving the more important particulars of the principal canals and rivers of Holland, arranged in a concise form for yachtsmen. With	
the assistance of Bureau voor Watertoerisme, Amsterdam. London, Imray, Laurie, Norie & Wilson [1951] 122 p. Map. Veen, J. van. De Delf. (Tijdschrift van het Koninklijk Nederlandsch	
Aardrijkskundig Genootschap. 2. reeks. Deel 68. No. 4. October	
1951. p. 368-375. Maps.) English summary: p. 368. Edwards, Tudor. Belgium and Luxembourg. London, B. T. Batsford	53
[1951] 127 p. Maps.	21
France	

Boyer, Marjorie Nice. A day's journey in mediaeval France. (Speculum. Vol. 26. No. 4. October, 1951. p. 597-608.)

Taylor, O. R. The Fourth Republic of France; constitution and polit-	-
ical parties. London, Royal Institute of International Affairs [1951] 221 p.	54
Gautier, Marcel. Les rapports entre l'hydrographie et la structure dans le Bocage Vendéen et dans la Gatine de Parthenay. (Annales de géographie. 60. année. No. 320. Mai-Juin 1951. p. 183-198.	9
Maps.)  Gueydon de Dives, M. J. The port of Gennevilliers, Paris; its reconstruction and projected extension for maritime traffic. (The Dock	-
	52
1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	12
Doumenge, François. Un type méditerranéen de colonisation côtière: Palavas. (Société Languedocienne de Géographie. Bulletin. 2. sér. Tome 22. 1. fasc. Janvier-Juin 1951. p. 5-124. Map.)	
English summary: p. 3-4. Livet, R. Les usines d'alumine du Sud-Est [France] (Bulletin de la Société de Géographie et d'Études Coloniales de Marseille. Tome	52
	53
2. sér. Tome 22. 1. fasc. Janvier-Juin 1951. p. 157-175.) Eng-	46
Pierrein, Louis. Marseille et le pétrole. (Bulletin de la Société de Géographie et d'Études Coloniales de Marseille. Tome 64. An-	
Girod, Janine Anne. Culture du riz en Camargue. (Bulletin de la Société de Géographie et d'Études Coloniales de Marseille. Tome	52 53
Nicod, J. Barjols et la tannerie varoise. (Bulletin de la Société de Géographie et d'Études Coloniales de Marseille. Tome 64. An-	53
Devaux, Pierre. La conquête du Rhône. (La Nature. No. 3195. Juil- let 1951. p. 208-215; No. 3196. Août 1951. p. 237-240; No. 3197. Septembre 1951. p. 279-283. Maps.)	53
Gallet, André. Les derniers territoires rattachés à la France: la Haute-Roya. (La Nature. No. 3199. Novembre 1951. p. 344-347.	54
tuck D * )	04
The Alps	
Monheim, F. Beobachtungen über die Getreidegrenze und Feldsysteme der französischen und schweizer Hochalpen. (Erdkunde. Bd. 5. Heft 2. April 1951. p. 157-165.)	52
Germany	
Otremba, Erich. Gegenwartsfragen der deutschen Landeskunde. (Deutscher Geographentag, München, 1948. Bd. 27. Heft 7. 1950. p. 129-137.)	12
Geographisches Taschenbuch; Jahrweiser zur deutschen Landeskunde. 1951/1952, bearb. im Amt für Landeskunde. Hrsg. von E. Meynen.	
Stuttgart, Reise- und Verkehrsverlag [1951] 490 p. Maps.  Stremme, Hermann, & others. Die Böden der Deutschen Demokratischen Republik. Einführung in die biogenetische Bodenkunde und ihre	14

Nutzanwendung. Berlin, Deutscher Zentralverlag [1949] 175 p.	47
Maps. Amtliches Kursbuch Westliches Deutschland. Sommerfahrplan 20.5 6.10. 1951. Bielefeld, Deutsche Bundesbahn, Generalbetriebslei-	43
tung West, 1951. Various pagings. Map. Schmithusen, Josef. Die Dürreempfindlichkeit der mitteleuropäischen Wirtschaftslandschaft in Vergangenheit und Gegenwart. (Deutscher Geographentag, München, 1948. Bd. 27. Heft 7. 1950. p. 138-	53
	46
tungsvorganges im deutschen Raum. Landshut/Bay., Verlag des Amtes für Landeskunde, 1950. p. 177-191. Map. (Deutscher Geographen-	
tag, München, 1948. Bd. 27. Heft 9.) Wendt, H. Der Einfluss der Hecken auf den landwirtschaftlichen Er-	47
	52
	52
	52
sciences in western Germany. 1951. p. 103-114.)	7
Reinhard, H. Karten zur Klimabewertung bei der Bodenschätzung in Mecklenburg. (Angewandte Meteorologie. Bd. 1. Heft 1. 1951.	
p. 2-14. Maps.) Grenzstadt Flensburg an der Förde, und die Austlugsorte im deutsch-	46
dänischen Grenzland. 4. Aufl. Eutin, A. Burkhardt [1947?] 192 p. Maps. (ABK Reise u. Städteführer. Bd. 5.)	52
	43
Goldschmidt, J. Das Klima von Sachsen. Berlin, Akademie-Verlag, 1950. 35 p. Maps. (Abhandlungen des Meteorologischen Dienstes der Deutschen Demokratischen Republik. Nr. 3.)	46
Norway, Denmark	
Lloyd, Trevor, Touring Arctic Scandinavia. Excerpt: Lincoln-Mer-	
cury times. Vol. 3. No. 2. March-April, 1951. p. 28-31. Sommers, Lawrence M. More og Romsdal County, Norway: population dis-	2
tribution. (The Journal of geography. Vol. 50. No. 8. November,	
United Nations. Food and Agriculture Organization. Danish National FAO-Committee. Report from the Danish National FAO-Committee to the Food and Agriculture Organization of the United Nations (FAO). [København, E. Munksgaard] 1951. 107 p. Map.	53
Russia	
Jasny, Naum. The Soviet economy during the plan era. Stanford, Calif., Stanford University Press [1951] 116 p. (Stanford University. Food Research Institute. Miscellaneous publication 11A.) Settelheim, Ch. L'économie soviétique. Paris, Recueil Sirey, 1950. 472 p. (Traité d'économie politique [conçu par] Graëtan Pirou.)	53 53
Smirnov, Leonid. Oil in Russia. (World oil. Vol. 133. No. 5. October, 1951. p. 256-258; No. 6. November, 1951. p. 313-316.	

Maps; cont.) Timoshenko, Vladimir P. The Soviet sugar industry and its postwar
restoration. Stanford, Calif. [1951] 53 p. (Stanford University. Food Research Institute. War-peace pamphlets, no. 13.) 53
Austria, Hungary
Allied Commission for Austria. United States Element. Austria; a graphic survey. [N. p.] 1948. 231 l. 5001 Why old Vienna? [By] Karl Werner. Old Vienna. [By] Robert J. Knechtl. Excerpt: Austria international; ed. by the Bundesministerium für Handel und Wiederaufbau, Vienna. No. 11. English ed. Vienna, Printed by E. Metten Nachf., 1951. p. 22-32. Distributed by Transmare Book Co., New York. 52 George, Pierre. Les transformations des campagnes hongroises. (Annales de géographie. 60. année. No. 320. Mai-Juin 1951. p. 199-209. Maps.)
Southeastern Europe
Kuščer, Ivan. Kraški izviri ob morski obali. Ljubljana, 1950. p. 99-147. Maps. (Slovenska Akademija Znanosti in Umetnosti. Razred za, Matematične, Fizikalne in Tehnične Vede. Serija A: Matematične, Fizikalne in Kemične Vede. Razprave, 1. Posebni odtis.) English summary: Karst sources at the sea coast, p. 138-144.  Lazić, Ant. The hydrographical regime of the river Mušnica of Gatačko Polje in Hercegovina. (Bulletin de la Société Serbe de Géographie. Tome 31. No. 1. 1951. p. 19-38. Map.) In Serbian with English summary: p. 38-40.  Mladenović, Tešimir. Le climat de Zaječar. (Bulletin de la Société Serbe de Géographie. Tome 31. No. 1. 1951. p. 3-15.) In Serbian with French summary: p. 15-17.  Simović, Radomir. Les zones de géographie économique du bassin d'effondrement de Požega. (Bulletin de la Société Serbe de Géographie. Tome 31. No. 1. 1951. p. 41-54. Map.) In Serbian with French summary: p. 54-55.  Santorineos, Jacques. Bergsteigen in Griechenland. (Schweizerische Stiftung für Alpine Forschungen, Zürich. Berge der Welt. 6. Bd. 1951. p. 197-206. Map.)  Fels, E. Die Vielfältigkeit griechischer geographischer Namen. München, C. H. Beck'sche Verlagsbuchhandlung [1951] (Veröffentlichung aus dem Geographischen Institut der Freien Universität Berlin. Nr. 10.) Reprinted from: Byzantinische Zeitschrift. Bd. 44. 1951. p. 135-142.
Italy
Toniolo, A. R. I regimi dei corsi d'acqua della penisola italiana. (Comptes rendus du Congrès International de Géographie, Lisbonne, 1949. Tome II. Travaux des Sections II et III. 1950. p. 435-454.)
Spain, Portugal

Feio, Mariano, & Raposo, Martins. Contribution à la connaissance du régime des fleuves portugais et de leur action morphologique.

(Comptes rendus du Congrès International de Géographie, Lisbonne, 1949. Tome II. Travaux des Sections II et III. 1950. p. 334-357.)	'43
Manique e Albuquerque, J. Pina. Zonation pluviométrique au Portugal. (Comptes rendus du Congrès International de Géographie, Lisbonne, 1949. Tome II. Travaux des Sections II et III. 1950. p. 698-711.)	46
Brenan, Gerald. The face of Spain. New York, Pellegrini & Cudahy [1951] 310 p. Map. A day-to-day account of the author's return to his Andalusian village, and of his travels from Madrid to Cordova.	23
Spain. Ministerio del Aire. Dirección General de Protección de Vuelo. Servicio Meteorológico Nacional. Sección de Climatología. Observaciones meteoro-fenológicas en España; año agrícola 1948. Madrid, 1951. 147 p. Maps. (Publicación. Serie D: Estadísti-	
cas. Núm. 10.) Anderson, Ruth Matilda. Spanish costume, Extremadura. New York, 1951. 334 p. Map. (Hispanic Society of America. Hispanic notes & monographs. Peninsular series.)	46
Madeira	
Huxley, Elspeth. A Madeira holiday. (The Geographical magazine. Vol. 24. No. 6. October, 1951. p. 267-274. Map.)	21
AFRICA	
Rainsford, H. F. The African arc of the 30th meridian. (Empire survey review. Vol. 11. No. 82. October, 1951. p. 159-163. Map.)	
North Africa	
Font Tullot, Inocencio. El regimen de lluvias de la Zona Española de Marruecos. (Africa. Año 8. Núm. 117. Septiembre 1951. p. 449-451. Maps.)	46
Linden, Fred van der. Le protectorat français au Maroc. (Institut Royal Colonial Belge. Bulletin des séances. Tome 22. No. 1. 1951. p. 159-184.)	5
Pieretti, Antoine. L'équipement de la Tunisie. (Bulletin de la Société de Géographie et d'Études Coloniales de Marseille. Tome 64.	
Hernández-Pacheco, Eduardo. Morfología y evolución de las zonas litorales de Ifni y del Sahara Español. (Comptes rendus du Congrès International de Géographie, Lisbonne, 1949. Tome II. Travaux des	53 43
Egypt, Anglo-Egyptian Sudan	
Awad, Hassân. La montagne du Sinaî central; étude morphologique. Le Caire, Société Royale de Géographie d'Égypte, 1951. 247 p. Map. Lewis, D. J. Notes of tsetse flies in the Anglo-Egyptian Sudan. (Sudan notes and records. Vol. 32. Part 1. June, 1951. p. 96-	43
105.) Wright, J. W. The White Nile and the Sobat. (Sudan notes and rec-	53

ords. Vol. 32. Part 1. June, 1951. p. 113-130. Map.)  Sandon, H., ed. The problems of fisheries in the area affected by the Equatorial Nile Project. (Sudan notes and records. Vol. 32. Part 1. June, 1951. p. 5-36.)  Lishman, J. F. Some economic considerations concerning the development of communications in the southern Sudan. (Sudan notes and records. Vol. 30. 1949. Supplement. p. 23-28.)  Catford, J. R. Katiri cultivation in the Moru district of Equatoria. (Sudan notes and records. Vol. 32. Part 1. June, 1951. p. 106-112.)
West Africa
Ajibola, J. O. Economic development of West Africa. London, West African Society [1948] 48 p. Map.  Clérin, R. La riziculture au Soudan Français. (L'Agronomie tropicale. Vol. 6. Nos. 7-8. Juillet-Août 1951. p. 400-406. Map; cont.)  Mauny, R. Guide de Gorée. Dakar, 1951. 33 p. Maps. (Institut Français d'Afrique Noire. Initiations africaines, 7.)  Carreira, António. Apreciação dos primeiros múmeros discriminados do censo da população não civilizada de 1950 da Guiné Portuguesa. (Boletim cultural da Guiné Portuguesa. Vol. 6. N.º 21. Janeiro 1951. p. 127-163. Map.)
Belgian Congo
Pauwen, L. J. La photogrammétrie aérienne, la cartographie coloniale et les levés barométriques. (Institut Royal Colonial Belge. Bulletin des séances. Tome 22. No. 1. 1951. p. 244-262.) 34 & 38 Belgian Congo section. (New York Herald tribune. Section 9. November 25, 1951. 24 p. Maps.)  Robert, Maurice. Les cadres de la géologie du Katanga. Bruxelles, 1951. 45 p. Map. (Belgium. Comité Spécial du Katanga. Publications relatives à la Carte du Katanga. OP. 17.) Reprinted from: Comptes rendus du Congrès Scientifique, Élisabethville, 1950. Vol. 2.  Robert, Maurice. Géologie du Katanga; les formations du soubassement ancien. Bruxelles, 1951. 35 p. (Belgium. Comité Spécial du Katanga. Publications relatives à la Carte du Katanga. OP. 19.) 42
East Africa
Weigt, Ernst. Moderne probleme der europäischen Landwirtschaft in Ostafrika. (Deutscher Geographentag, München, 1948. Bd. 27. Heft 11. 1950. p. 225-231. Map.)  Waloff, Z., & Rainey, R. C. Field studies on factors affecting the displacements of desert locust swarms in eastern Africa. Flying locusts and convection currents. London, 1951. 72 p. (Anti-locust Research Centre. Anti-locust bulletin, 9.)  Gt. Brit. Colonial Office. Introducing East Africa. London, 1950. 91 p. Maps.  Hill, M. F. Permanent way; the story of the Kenya and Uganda Railway; being the official history of the development of the transport system in Kenya and Uganda. Nairobi, East African Railways and Harbours [1950] 582 p. Maps.

Teale, E. O. The river system in Tanganyika in relation to tectonic movement. (Comptes rendus du Congrès International de Géographie, Lisbonne, 1949. Tome II. Travaux des Sections II et III. 1950. p. 233-241. Map.)

Tanganyika. Development Organization. Annual report, 1950. Dar es Salaam, 1951. 18 p.

#### South Africa

Kayser, Kurt. Morphologische Forschungen an der grossen Randstufe in Südafrika. (Deutscher Geographentag, München, 1948. Bd. 27. Heft 11. 1950. p. 209-224.)

Paton, Alan. South Africa today. [New York, 1951] 32 p. Maps. (Public affairs pamphlet, no. 175.)

Van der Post, Laurens. Venture to the interior. New York, W. Morrow, 1951. 253 p. Maps. Account of the author's commissioned exploratory journey to northern and southern Nyasaland to study agricultural possibilities.

### MIDDLE EAST

Coon, Carleton S. Caravan: the story of the Middle East. New York,
H. Holt [1951] 376 p. Maps. 5 & 9

Frye, Richard N., ed. The Near East and the great powers. With an introduction by Ralph Bunche. Cambridge, Mass., Harvard University Press, 1951. 214 p. 53 & 54

De Golyer, E. L. Some aspects of oil in the Middle East. (Frye, Richard N., ed. The Near East and the great powers. 1951. p. 119-136.)

### ASIA

Douglas, William O. Strange lands and friendly people. New York,
Harper & Brothers [1951] 336 p. Maps. Political and social analysis of countries in which the author travelled in 1949-1950:
Persia, Syria, Lebanon, Israel, Iraq, Jordan, Greece, Cyprus, India.

United Nations. Economic Commission for Asia and the Far East.
Bureau of Flood Control. Flood damage and flood control activities in Asia and the Far East. Bangkok, 1950. 81 p. Maps. (Flood control series. No. 1.)

Reday, Joseph Z. The economic war potential of Asia. (United States Naval Institute proceedings. Vol. no. 77. No. 11. November, 1951. p. 1137-1147.)

#### Southwestern Asia

Shalem, N. Attributed climatic changes in the Levant. (Comptes rendus du Congrès International de Géographie, Lisbonne, 1949. Tome II. Travaux des Sections II et III. 1950. p. 593-649.) 46
Bobek, Hans. Soziale Raumbildungen am Beispiel des Vorderen Orients. Landshut/Bay., Verlag des Amtes für Landeskunde, 1950. p. 193-207.
Maps. (Deutscher Geographentag, München, 1948. Bd. 27. Heft 10.) 5
Robinson, Richard D. The lesson of Turkey. (The Middle East journal. Vol. 5. No. 4. Autumn, 1951. p. 424-438.) Discussion of the political and economic developments in Turkey since World War I. 5

Wright, Esmond. Abdallah's Jordan: 1947-1951. ('journal. Vol. 5. No. 4. Autumn, 1951. p. 439	
Péguy, Ch. P. L'État d'Israel. (L'Information gé	ographique. 15e
année. No. 4. Juillet-octobre 1951. p. 127-13	
Hourani, Cecil A. Experimental village in the Jor Middle East journal. Vol. 5. No. 4. Autumn, 1	951. p. 497-501.)
Account of a village established by the Arab Devi	
near Jericho to rehabilitate Arab refugees from	
Bernstein, Peretz. Israel's economy. Excerpt: Titerly. Vol. 1. No. 1. Summer, 1951. p. 48-58	
The Palestine problem. (Frye, Richard N., ed. The	
the great powers. 1951. p. 91-118.) Contents:	
The United Nations and Palestine Keren, M	
the United States Bunche, Ralph. The Palestin	
Bobek, Hans. Die natürlichen Wälder und Gehölzflu: Im Selbstverlag des Geographischen Instituts der	
1951. 62 p. Map. (Bonner geographische Abhand	
Geographischen Institut der Universität Bonn. He	
Black Sea	
Kosack, Hans Peter. Nuovi contributi alla storia	nuaternaria del Mar
Nero. (Rivista geografica italiana. Annata 58.	
1951. p. 147-152.)	43
Central Asia	
Octivitat No La	
Sapozhnikova, S. A. Nekotorye osobennosti klimata	
viiakh Srednel Azii. [Some peculiarities of the	
under conditions of Central Asia.] (Izvestija V	
graficheskogo obshchestva. [Bulletin of the All-Society.] Vol. 83. No. 3. May-June, 1951. p.	
Russian.	46
Kunin, V. N. O printsipakh obvodnenija po Glavnom	u Turkmenskomu
kanalu. [About principles of irrigation along the	
Canal.] (Izvestiia Vsesoiuznogo geograficheskogo	
[Bulletin of the All-Union Geographical Society.] May-June, 1951. p. 221-230.) In Russian.	Vol. 83. No. 3.
Pelt, N. N. Zemli drevnego orosheniia Dzhanadar'in	
alliuvial' noi ravniny. [Iands of ancient irrigat	tion of the
Dzhanadar'ia ancient-alluvial plain.] (Izvestiis	Vsesoiuznogo geo-
graficheskogo obshchestva. [Bulletin of the All-	
Society.] Vol. 83. No. 3. May-June, 1951. p.	
sian.	53
Japan	
Allied Powers. Supreme Commander. General Headqua	
Resources Section. Agricultural programs in Japa Comp. under the direction of Mark B. Williamson.	
165 p. Map. (Report no. 148.)	[10ky0] 1951.
Bruce, H. D.; Cockrell, R. A.; Cummings, Laurence	
uses of commercially important Japanese woods. [	Tokyo] 1951. 71
p. (Allied Powers. Supreme Commander. General	
Natural Resources Section. Report no. 147.)	53

Bishop, William W., jr. The need for a Japanese fisheries agreement. (The American journal of international law. Vol. 45. No. 4. October, 1951. p. 712-719.)  Cahn, A. R. Clam culture in Japan. Tokyo] 1951. 103 p. Maps. (Allied Powers. Supreme Commander. General Headquarters. Natural Resources Section. Report no. 146.)  Worden, William L. The curious case of the doomed tribe [Ainus]. Since long before Japan was opened to the Western World, a strange Caucasian people has lived and battled among the Japanese. Excerpt The Saturday evening post. November 10, 1951.  Orimo, Jumpei. Coastal villages of Iki Island. (The Geographical review of Japan. Vol. 24. No. 9. September, 1951. p. 311-319.	53 L 53
Maps.) In Japanese with English summary: p. 319.	52
Formosa	
FOTILOSA	
Maurus, Fang-Hao. A toponomical study of Kiangten, a village near Taipei. (Wen hien; report of historico-geographical studies of Taiwan. Vol. 1. No. 4. December, 1950.) In Chinese. Yang, Sih-Fuh. Gazetteer geography of Taiwan. (Wen hien; report of historico-geographical studies of Taiwan. Vol. 1. No. 4. December, 1950.) In Chinese.	52
Himalayas	
Longland, J. L. Everest, 1951. (The Geographical magazine. Vol. 24. No. 6. October, 1951. p. 261-266. Map.)  Kvernberg, Per. Die Erstbesteigung des Tirich Mir (7700 m). Norwegische Himalaya-Expedition 1950. (Schweizerische Stiftung für Alpine Forschungen, Zürich. Berge der Welt. 6. Bd. 1951. p.	43 43
China	
Ollina	
Chen, C. S. Kansu Corridor. Chungking, China, 1943. 24 p. Map. (National Central University, Chungking. Institute of Geography. Bulletin. Ser. B. No. 4.) In Chinese. Chen, C. S. The climates and sugarcane cultivation in Szechwen Basin.	46 12 53
India, Pakistan, Ceylon	
Rafiullah, S. M. Selecting suitable [map] projections for India.	
	39 42
	42

Auden, J. B. A geological discussion on the Satpura hypothesis and	
Garo-Rajmahal Gap. [N. p., 1949] Reprinted from: Proceedings of	
the National Institute of Sciences of India. Vol. 15. No. 8.	
1949. p. 315-340. Maps.	42
Karan, Pradyumna P. The fringes and frontiers of India and Pakistan.	
(The Geographer. Vol. 4. No. 1. May, 1951. p. 6-14.) Raza, Moonis. Urbanization in prehistoric India. (The Geographer.	54
Vol. 4. No. 1. May, 1951. p. 15-29. Map.)	91
Auden, J. B. Dykes in western India; a discussion of their rela-	
tionships with the Deccan Traps. [N. p., 1949] Reprinted from:	
Transactions of the National Institute of Sciences of India. Vol.	
3. No. 3. April, 1949. p. 123-157. Maps.	42
Auden, J. B. Introductory report on the ground-water resources of	
western Rajasthan. Calcutta, 1950. 59 p. Maps. (Bulletins of	
the Geological Survey of India. Series B: Engineering geology and	
	44
Qureshi, J. M. Livestock survey in the Punjab. [Lahore] 1951. 74	
p. (Punjab, Pakistan. Board of Economic Inquiry. Publication no.	
103.)	53
Chevalley, Gabriel. Die Eroberung des Abi Gamin (7355 m). (Schwei-	
zerische Stiftung für Alpine Forschungen, Zürich. Berge der Welt.	
6.Bd. 1951. p. 7-56. Map.)	43
Roch, André. Messung der Oberflächenbewegung von Gletschern.	
(Schweizerische Stiftung für Alpine Forschungen, Zürich. Berge der	
Welt. 6. Bd. 1951. p. 153-168. Map.)	43
Millot, J. Les Todas des monts Nilgiri (Inde méridionale). (La Na-	
ture. No. 3198. Octobre 1951. p. 295-298.)	52
Bangalore City Improvement Trust Board. Plans of improvement & ex-	
pansion, 1951. [Bangalore City, 1951] 38 p. Maps.	52
Ghori, Ghouse Khan. Irrigation in Mysore. (The Geographer. Vol. 4.	
No. 1. May, 1951. p. 39-47.)	53
Ceylon. Dept. of Census and Statistics. Ceylon year book, 1950.	
Colombo [1951] 276 p. Maps.	14
Southeast Asia	
Metcalf, John E. The Colombo plan. (Foreign agriculture. Vol. 15.	
No. 11. November, 1951. p. 246-251. Map.) An account of the	
regional program for cooperative economic development of South and	
	53
Lewis, Norman. A dragon apparent; travels in Indo-China. New York,	-
C. Scribner's Sons, 1951. 317 p. Map.	2
Philippines	
Republic of the Philippines. Economic Survey Commission. Philippine	
agricultural and industrial development program. Revised. [Manila	_
1950. 516 p.	53
ATTORDATACTA	
AUSTRALASIA	
Taylor, J. K. Soils of Australia. (Commonwealth Scientific and In-	
dustrial Research Organization. The Australian environment. 2d ed. 1950. p. 35-48. Map.)	43
Rabling, Harold. Oil prospects in Australia. (In his Energy for a	40
	53
G	-

Commonwealth Scientific and Industrial Research Organization. The Australian environment; handbook prepared for the British Common wealth Specialist Agricultural Conference on Plant and Animal Nu	-
trition in relation to Soil and Climatic Factors held in Austral	
August 1949. 2d ed. Melbourne, 1950. 183 p. Maps.	53
Australia. Dept. of Commerce and Agriculture. Bureau of Agricult	
al Economics. Supplement to the Statistical handbook of the she and wool industry. Canberra, 1951. 31 p.	53
Rabling, Harold. Energy for a greater Australia. With foreword by	
Sir John Storey. Melbourne, Tait Book Co., 1950. 77 p. Maps.	53
Hocking, D. M., & Haddon-Cave, C. P. Air transport in Australia.	
Sydney, Angus and Robertson [1951] 188 p. Maps. Published under	
the auspices of the Australian Institute of International Affairs	3
and the Institute of Pacific Relations.	53
Farwell, George. Land of mirage; the story of men, cattle and came	els
on the Birdsville Track. London, Cassell [1950] 230 p. Map.	
Description of the semi-desert area surrounding the Lake Eyre Basin central Australia, based on the author's trip accompanying a	sin
police patrol.	2
Hurley, Frank. Queensland; a camera study. Sydney, Angus and Robe	
son [1950] 238 p. Map.	12
Soils. (New South Wales. Dept. of Conservation. The vegetation a	ind
pastures of western New South Wales, with special reference to se	oil
erosion, by N. C. W. Beadle. 1948. p. 47-53.)	43
Erosion. (New South Wales. Dept. of Conservation. The vegetation	1
and pastures of wwestern New South Wales, with special reference	
to soil erosion, by N. C. W. Beadle. 1948. p. 54-91. Map.)	43
New South Wales. Dept. of Conservation. The vegetation and pastur	
of western New South Wales, with special reference to soil erosic	
	& 53
Panton, H. S. New Zealand; a preview of the land of the long white	
cloud. London, Rockliff [1951] 198 p. Maps.	21
Redwood, Rosaline. Forgotten islands of the South Pacific; the sto	ory
of New Zealand's Southern islands. Wellington, A. H. and A. W.	
Reed [1950] 125 p. Maps.	11
PACIFIC ISLANDS	

Toront Michael Comparison & lifetude des mithedes de monte de ma	
Legand, Michel. Contribution à l'étude des méthodes de pêche dans	
les territoires français du Pacifique Sud. (Journal de la Société	
des Océanistes. Tome 6. No. 6. Décembre 1950. p. 141-184.) 5	3
Hiatt, Robert W. Marine zoology study of Arno Atoll, Marshall Atoll.	
Assisted by Conald Strasburg. Washington, D.C., 1951. 13 mimeo-	
graphed p. (National Research Council. Pacific Science Board.	
	pu
	5
Neyret, Jean Marie. Notes sur la navigation indigène aux îles Fidji.	
(Journal de la Société des Océanistes. Tome 6. No. 6. Décembre	
	4
Poirier, Jean. L'évolution récente des sociétés polynésiennes.	-
(Journal de la Société des Océanistes. Tome 6. No. 6. Décembre	
	_
1950. p. 67-86.)	5
[Map] Ile Tahiti. Carte provisoire. Etablie sous la direction de	
MMTS les Professeurs: H. Gaussen et R. Papy, par le Chef d'escadron	
Bagnouls et dessinée par M.r Rinaldo. [Paris] Institut Géogra-	
	0
phique National, 1950. 1:100,000.	3

### POLAR REGIONS

Brown, I. C. Circular structures in the Arctic islands. (American journal of science. Vol. 249. No. 11. November, 1951. p. 785-794. Maps.) 43 Elmiger, F.; Mulli, H.; Röthlisberger, H. Baffin-Island Expedition 1950. (Schweizerische Stiftung für Alpine Forschungen, Zürich. Berge der Welt. 6. Bd. 1951. p. 91-151. Map.) Holtved, Erik. The Polar Eskimos; language and folklore. Kobenhavn, C. A. Reitzels Forlag, 1951. 2 v. (Meddelelser om Grønland; udgivne af Kommissionen for Videnskabelige Undersøgelser i Grønland. Bd. 152. Nr. 1, 2.) Contents: Vol. 1. Texts. - Vol. 2. Myths 55 and tales translated. Liversidge, Douglas. White horizon. London, Odhams Press [1951] 255 p. An account of the rescue, by sea and air, of the ice-imprisoned Britons on Stonington Island, Graham Land, in 1950.

### Sub-Antarctic

Gibbs, W. J.; Gotley, A. V.; Martin, A. R. Heard and Macquarie Islands, 1948. Melbourne, Antarctic Division, Dept. of External Affairs, 1950-51. 2 v. (Australian National Antarctic Research Expedition. Reports. Series D: Meteorology. Vol. 1. Pt. 1. (a), (b)). Contents: Vol. 1. Pt. 1. (a). Results. - Vol. 1. Pt. 1. (b). Analysed charts.

### CURRENT GEOGRAPHICAL PUBLICATIONS

December

Photograph Supplement

1951

SECTION ONE

GENERAL

### Yerba Maté

Maté. (True, W. P., comp. and ed. Panorama of science, 1951. New York, 1951. p. 230-239.) Eight photographs showing the growth, transport and processing of maté.

53

### Portraits

- Dumont d'Urville, Jules Sebastian César. (Barrett, Charles. The Pacific, ocean of islands. Melbourne, 1951. opp. p. 20.) Hutton, James. (Holmyard, E. J. British scientists. New York, 1951. p. 28.)
- La Pérouse, Jean François Galaup, Comte de. (Barrett, Charles. The Pacific, ocean of islands. Melbourne, 1951. opp. p. 21.)
  Powell, John Wesley. (The Land. Vol. 10. No. 3. Autumn, 1951. p. 248.)
- Thornthwaite, Charles Warren. (Johns Hopkins University. Laboratory of Climatology. Science at Seabrook. Excerpt from: The Johns Hopkins magazine. Vol. 3. No. 1. October, 1951. p. 2-7.) Four photographs of Dr. Thornthwaite at Seabrook Farms.

SECTION TWO

REGIONAL

#### NORTH AMERICA

Archeology, North America. (Hibben, F. C. Treasure in the dust; exploring ancient North America. Philadelphia, 1951. pl. foll. p. 128.) Numerous photographs showing ancient ruins, sculpture, 55 basketry and artifacts.

### Alaska

Juneau Ice Field, Alaska. (True, W. P., comp. and ed. Panorama of science, 1951. New York, 1951. opp. p. 326.) Aerial photograph showing Eagle and Herbert glaciers. 43 Juneau, Alaska. (Geographic school bulletins. Vol. 30. No. 6. November 5, 1951. p. 2.) Photograph showing the harbor.

52

### Canada

### British Columbia

Alberni Basin, Vancouver Island, British Columbia. (Brink, V. C., & Farstad, L. The physiography of the agricultural areas of British Columbia. Reprinted from: Scientific agriculture. Vol. 29. June, 1949. opp. p. 276.) Aerial photograph. The Table, British Columbia. (American journal of science. Vol.

249. No. 11. November, 1951. opp. p. 832.) Two photographs of the flat-topped volcano. 43 Bella Coola Valley, British Columbia. (Brink, V. C., & Farstad, L. The physiography of the agricultural areas of British Columbia. Reprinted from: Scientific agriculture. Vol. 29. June, 1949. opp. p. 277.) Aerial photograph. 43 Fraser Valley, British Columbia. (Brink, V. C., & Farstad, L. The physiography of the agricultural areas of British Columbia. Reprinted from: Scientific agriculture. Vol. 29. June, 1949. opp. p. 276.) Photograph also showing the Hope Mountains. New Quebec Iron ore. New Quebec. (Life. Vol. 31. No. 20. November 12, 1951. p. 122-127.) Sixteen photographs showing extraction and transporting of the new supply of ore. 53 Labrador, Quebec Grand Falls, Labrador. (Geographic school bulletins. Vol. 30. No. 5. October 29, 1951. p. 8.) Aerial photograph. 43 Ottawa River, Quebec. (Davies, Blodwen. Quebec; portrait of a province. New York, 1951. opp. p. 51.) Photograph also showing the Interprovincial Bridge. 44 Village, Laurentian Mts., Quebec. (Davies, Blodwen. Quebec; portrait of a province. New York, 1951. opp. p. 170.) 52 Baie St. Paul, Quebec. (Davies, Blodwen. Quebec; portrait of a province. New York, 1951. opp. p. 195.) 52 Seven Islands, Quebec. (Life. Vol. 31. No. 20. November 12, 1951. p. 122.) Aerial photograph showing the terminus of the new iron rail route. Shipshaw power projects, Quebec. (Davies, Blodwen. Quebec; portrait of a province. New York, 1951. opp. p. 227.) Aerial photograph. 53 Fort Chambly, Quebec. (Davies, Blodwen. Quebec; portrait of a province. New York, 1951. opp. p. 82.) 56 United States New York New York, New York. (Life. Vol. 31. No. 19. November 5, 1951. p. 130-139.) Ten photographs of the port. 52 Thruway, New York State. (New York State Thruway Authority. An interim report on the New York State Thruway. Summer, 1951. passim.) Numerous photographs showing construction on the new high-53 way. Pennsylvania Slate production, Pennsylvania. (Pennsylvania State College. School of Mineral Industries. Mineral industries experiment station bulletin 58. State College, 1951. passim.) Numerous photographs

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showing extraction and processing of slate.

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California  Encino, California. Holiday. Vol. 10. No. 6. December, 1951. p. 108-109.) Photograph in color showing the San Fernando Valley. 52  Bahamas  Harbour Island, Bahamas. (Travel. Vol. 96. No. 5. November, 1951. p. 15.) Aerial photograph. 43  SOUTH AMERICA  French Guiana  French Guiana. (Ia Nature. No. 5198. Octobre 1951. p. 304-309.) Twenty-two photographs showing native life and jungle scenery. 12  Brazil  Chavante village, Brazil. (Smith, T. L. Brazil, portrait of half a continent. New York, 1951. pl. 28 in front.) Aerial photograph of an Indian village.  Manaus, Brazil. (Smith, T. L. Brazil, portrait of half a continent. New York, 1951. pl. 9C in front.) 52		
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No. 6. October, 1951. p. 292-297.) Nine photographs in color showing Kirkwall, Rackwick Bay and coastal scenery.

### Belgium

- Antwerp, Belgium. (Edwards, Tudor. Belgium and Luxembourg. London, 1951. opp. p. 2.)
- Bergues, Belgium. (Edwards, Tudor. Belgium and Luxembourg. London, 1951. opp. p. 112.) Aerial photograph.
- Namur, Belgium. (Edwards, Tudor. Belgium and Luxembourg. London, 1951. opp. p. 98.)

### Luxembourg

Cities, Luxembourg. (Edwards, Tudor. Belgium and Luxembourg. London, 1951. passim.) Photographs of Clervaux, Esch-sur-Sûre, and Luxembourg.

### France

- Cities, France. (La France géographique. Paris, 1951. passim.)
  Photographs, partly aerial, of Bordeaux, Le Havre, Lourdes, Luchon,
  Lyon, Tergnier, Tours, and Uzerche.
- Brittany, France. (Le Lannou, Maurice. Géographie de la Bretagne. Rennes, 1950. passim.) Photographs of villages, coastal scenery and historic landmarks.
- Strasbourg, France. (Geographic school bulletins. Vol. 30. No. 6. November 5, 1951. p. 8.) Aerial photograph.
- Glacier d'Argentinières, France. (La France géographique. Paris, 1951. p. 15.)
- Génessiat Dam, France. (La France géographique. Paris, 1951. p. 63.) Aerial photograph.

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Monte Carlo, Monaco. (La France géographique. Paris, 1951. p. 11.) 52

## Germany

Rigen Island, Germany. (Kosmos. 47. Jahrg. Heft 10. Oktober 1951. p. 460-464.) Eight photographs, three of which are in color. 43

### Austria

Vienna, Austria. (Austria International. No. 11. Special issue. Old Vienna. 1951. passim.) Numerous reproductions of paintings, sketches, and etchings, some in color, showing old Vienna - its buildings, personalities, costumes and transport.

### Spain

Date palms, Spain. (The Geographical magazine. Vol. 24. No. 6. October, 1951. pl. 5 foll. p. 276.) Photograph showing dates at Elche, the only date-palm plantation in Europe.

### Madeira

Madeira Island. (The Geographical magazine. Vol. 24. No. 6. October, 1951. p. 268-274.) Nine photographs showing forests, irrigation, terraces, industries and the towns of Camara de Lobos and Santo Antonio.

### AFRICA

### Anglo-Egyptian Sudan

- Ethnic types, Anglo-Egyptian Sudan. (Geographic school bulletins.
  Vol. 30. No. 7. November 12, 1951. p. 1.) Photograph showing
  several girls of the Messeria tribe.

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- Rashad, Anglo-Egyptian Sudan. (Geographic school bulletins. Vol. 30. No. 7. November 12, 1951. p. 2.)

## Nigeria

Ethnic types, Nigeria. (Corona. Vol. 3. No. 11. November, 1951. pl. foll. p. 424.) Four photographs. 52

### East Africa

- Kenya-Uganda Railway. (Hill, M. F. Permanent way; the story of the Kenya and Uganda Railway. Nairobi, 1950. passim.) Numerous photographs showing various stages of construction and views along the route.
- Kilindini, Kenya. (Hill, M. F. Permanent way; the story of the Kenya and Uganda Railway. Nairobi, 1950. opp. p. 208.) Two photographs, one as the port appeared in 1900 and the other an aerial view taken in 1946.
- Railway station, Nairobi, Kenya. (Hill, M. F. Permanent way; the story of the Kenya and Uganda Railway. Nairobi, 1950. opp. p. 228.) Two photographs, one of which is aerial.

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### Persia

Abadan oil refinery, Persia. (Geographic school bulletins. Vol. 30. No. 4. October 22, 1951. p. 2.) Aerial photograph. 53

### Himalaya Mountains

Mt. Everest, Himalayas. (The Geographical magazine. Vol. 24. No. 6. October, 1951. p. 262-265.) Three photographs, two of which are aerial.

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Plans of improvement and expansion. Bangalore, 1951. passim.)	
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Washington, 1951. p. 16-27.) Numerous photographs showing rubber	
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Indo-China. (Lewis, Norman. A dragon apparent; travels in Indo-	
China. New York, 1951. passim.) Numerous photographs of villages	
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Hobart, Tasmania. (Barrett, Charles. The Pacific, ocean of islands Melbourne, 1951. opp. p. 25, 46.) One photograph and one sketch of the town as it appeared in its early days.	. 52
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Errata p. 6, line 17, for Vencenzo read Vincenzo

p. 22; line 17; for No. e read No. 14

p. 30, line 19, for Vening Heinesa read Vening Heinesz

p. 34; line 44; for Verrazano read Verrazzano
p. 38; line 11; for Malcol Pirnie read Malcolm Pirnie
p. 39; line 26; for Mountain Pembina County read Mountain, Pembina County
p. 53, line 15; for Gongo Belge read Congo Belge
p. 61; line 29; for Ahmad, Qazi Saied-Ud-Dun read Ahmad, Qazi Saied-Ud-Din

p. 70, line 12, for Moorehouse read Moorhouse
p. 105, line 24, for Hogeschool read Hoogeschool
p. 109, line 20, for High Scott read Hugh Scott
p. 120, line 7, for 3ds read eds.
p. 132, line 27, for Grodon read Gordon
p. 164, line 24, for Peterleym Geologists read Pe

p. 164, line 24, for Petorleum Geologists read Petroleum Geologists p. 165, line 48, for eeastern read eastern p. 171, line 43, for Puerto Rivo read Puerto Rico

p. 178, line 3, for Sait-Mayme read Saint-Rayme p. 179, line 42, Title of periodical in Rutten entry is Geologie en mijnbouw

p. 195, line 12, Title of periodical in Moody entry is Travel

p. 208, line 9, Land of Taku should appear on previous page under Alaska

p. 226, line 7, for Beaujeu-Barnier read Beaujeu-Garnier

p. 233, line 49, for Adia read Asia

p. 234, line 25, for Berceau read berceau

\* 24.

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## Errata

p. 5, line 33, for Angoulème read Angoulême

p. 5, line 35, for Mondane read Modane
p. 11, line 27, for Port-aux-Prince read Port-au-Prince
p. 47, line 7, for Suez, Canal read Suez Canal
p. 48, line 44, for Tobo Lake read Toba Lake

p. 53, line 40, for Halifzx, read Halifax

p. 56, line 13, for Danis read Danish p. 68, line 29, for Génessiat read Génissait

